

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021119\
 Data File : BG039457.D
 Acq On : 12 Feb 2019 9:12
 Operator : JU/SJ
 Sample : K1450-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 12 11:36:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	52432	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	233432	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	160738	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	399843	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	411227	20.00	ng	-0.02
87) Perylene-d12	25.20	264	412021	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	438675	143.19	ng	0.00
7) Phenol-d6	7.31	99	586476	130.06	ng	-0.01
23) Nitrobenzene-d5	9.35	82	409201	109.51	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	281346	162.55	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	992948	88.62	ng	-0.02
79) Terphenyl-d14	20.13	244	1654064	85.14	ng	-0.02

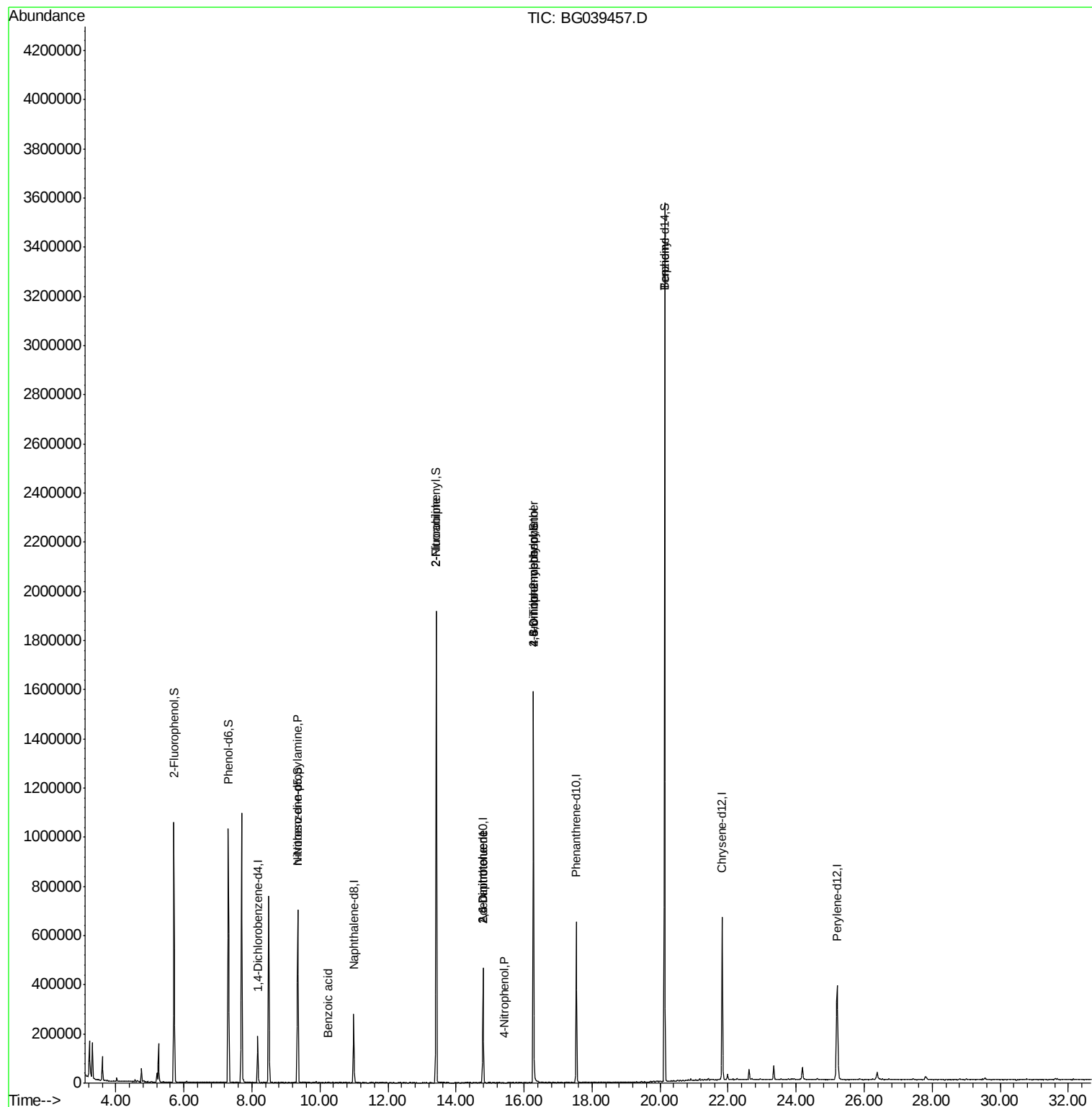
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	1277	Below Cal		# 20
19) n-Nitroso-di-n-propylamine	9.35	70	55303	17.279	ng	# 67
32) Benzoic acid	10.24	122	56	9.042	ng	# 35
48) 2-Nitroaniline	13.42	65	1835	8.821	ng	# 1
51) 2,6-Dinitrotoluene	14.79	165	21000	14.032	ng	# 24
56) 4-Nitrophenol	15.43	139	93	5.831	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	21000	13.481	ng	# 20
65) 4,6-Dinitro-2-methylphenol	16.28	198	991	4.970	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	22345	5.037	ng	# 1
77) Benzidine	20.13	184	30223	2.242	ng	# 95

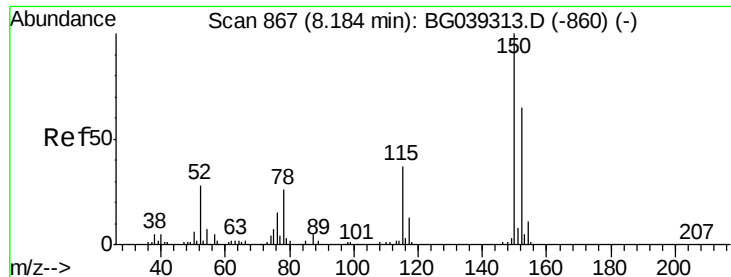
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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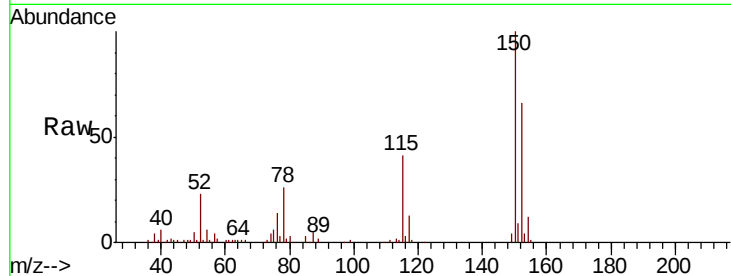


#1

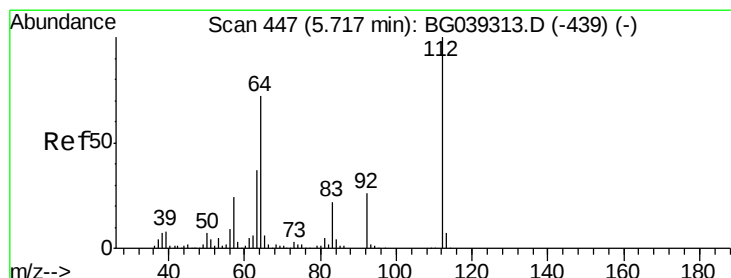
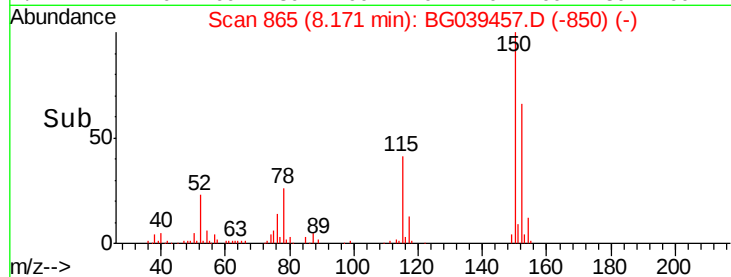
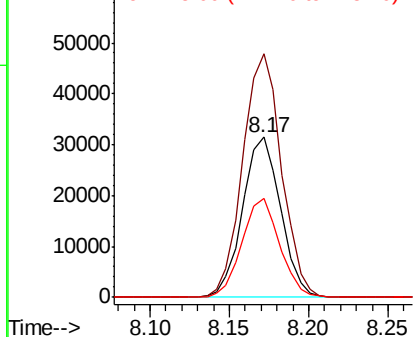
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039457.D
Acq: 12 Feb 2019 9:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 52432
Ion Ratio Lower Upper
152 100
150 152.1 123.7 185.5
115 62.1 45.9 68.9



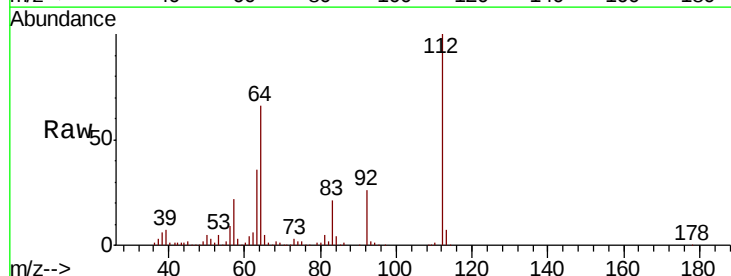
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



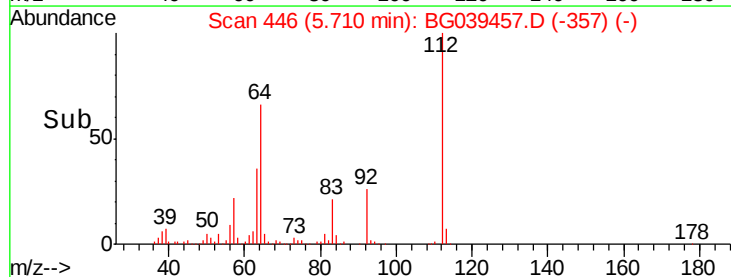
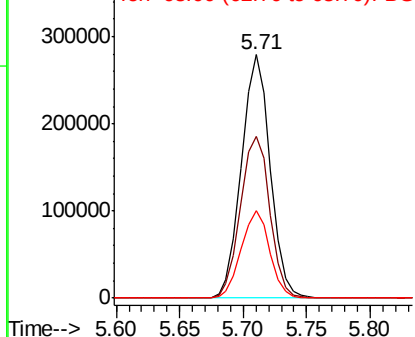
#5

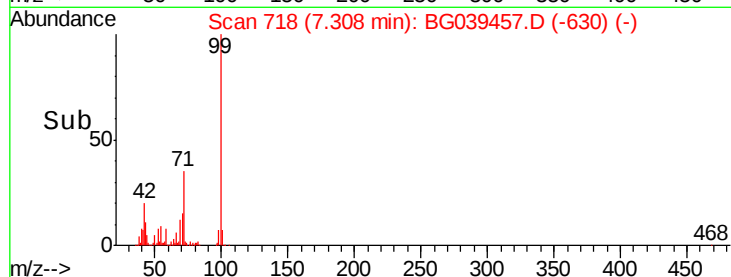
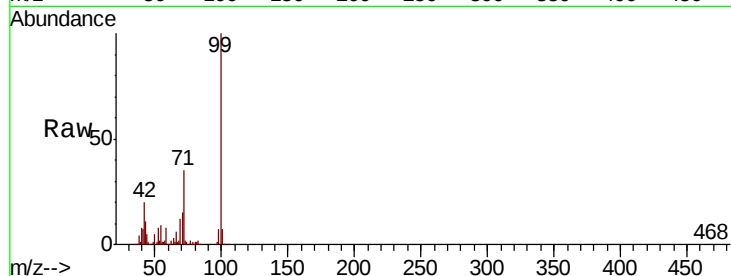
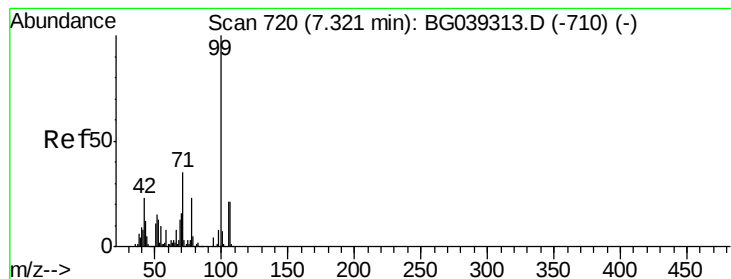
2-Fluorophenol
Concen: 143.194 ng
RT: 5.71 min Scan# 446
Delta R.T. -0.01 min
Lab File: BG039457.D
Acq: 12 Feb 2019 9:12

Tgt Ion:112 Resp: 438675
Ion Ratio Lower Upper
112 100
64 66.4 57.8 86.8
63 35.9 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 130.057 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BG039457.D

Acq: 12 Feb 2019 9:12

Instrument :

BNA_G

ClientSampleId :

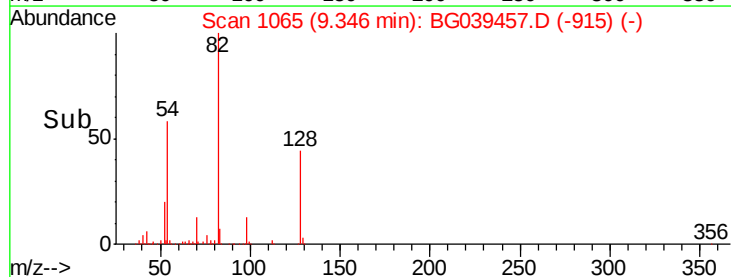
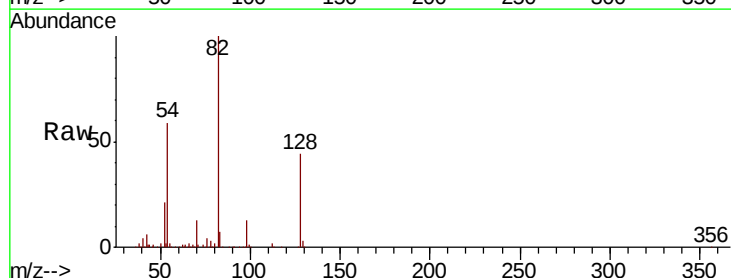
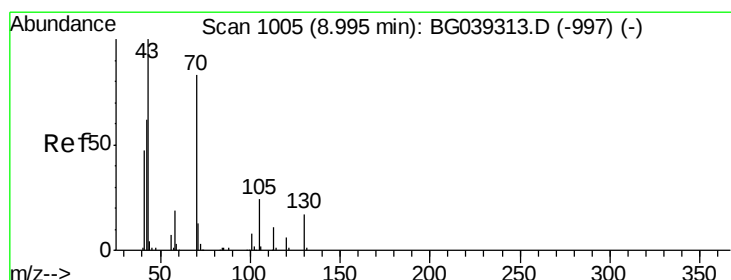
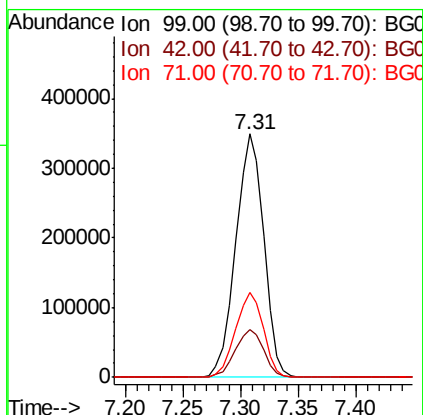
Tot Ion: 99 Resp: 586476

Ion Ratio Lower Upper

99 100

42 19.7 18.2 27.2

71 35.1 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 17.279 ng

RT: 9.35 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039457.D

Acq: 12 Feb 2019 9:12

Tgt Ion: 70 Resp: 55303

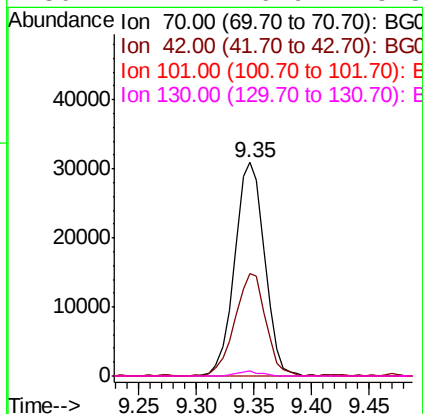
Ion Ratio Lower Upper

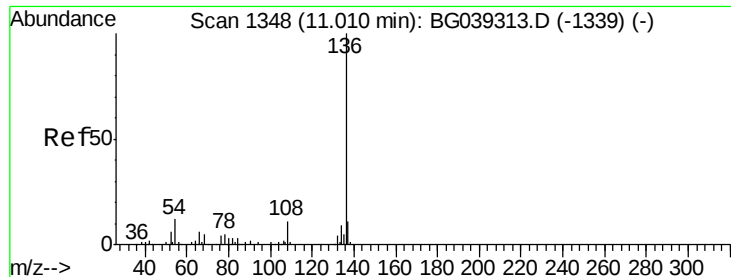
70 100

42 48.2 60.4 90.6#

101 0.0 7.5 11.3#

130 2.7 16.9 25.3#

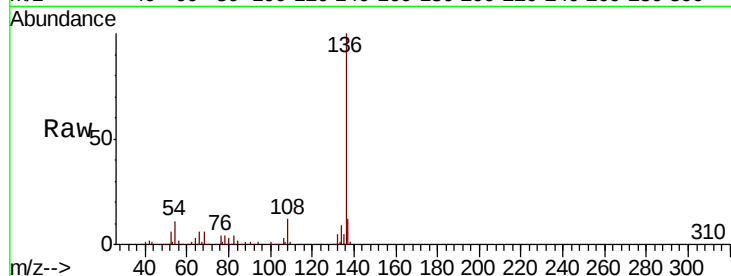




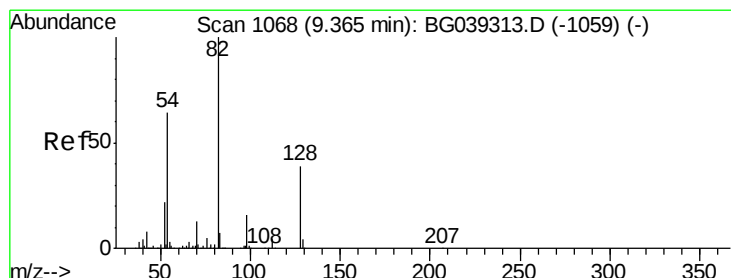
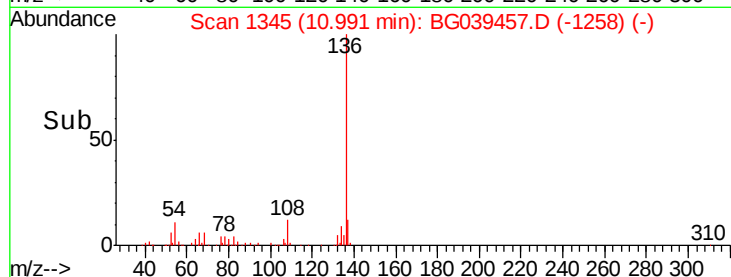
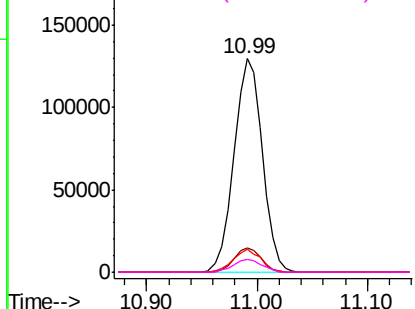
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039457.D
Acq: 12 Feb 2019 9:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	233432
Ion Ratio	Lower	Upper
136 100		
137 11.5	9.1	13.7
54 10.6	9.4	14.2
68 6.2	4.2	6.4

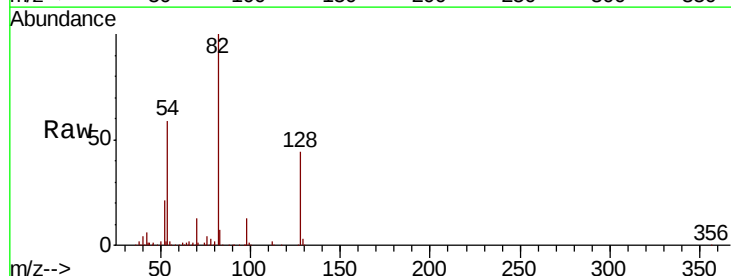


Abundance Ion 136.00 (135.70 to 136.70): E
200000 Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

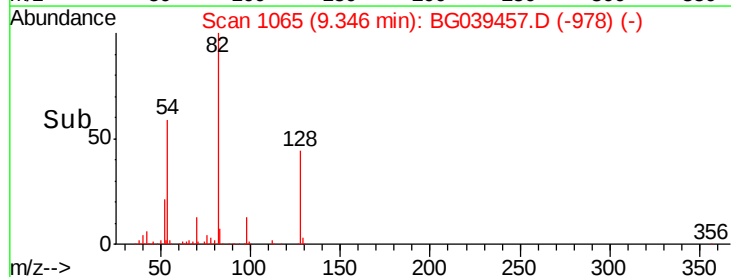
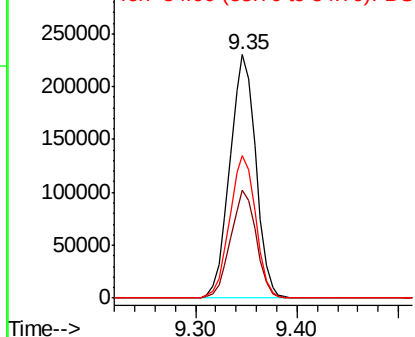


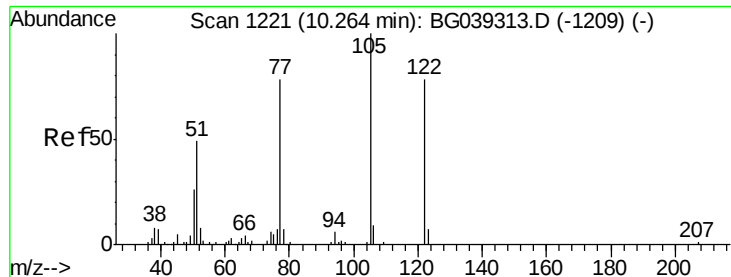
#23
Nitrobenzene-d5
Concen: 109.511 ng
RT: 9.35 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039457.D
Acq: 12 Feb 2019 9:12

Tgt Ion: 82	Resp: 409201
Ion Ratio	Lower Upper
82 100	
128 44.2	31.3 46.9
54 58.6	50.9 76.3



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 9.042 ng

RT: 10.24 min Scan# 1217

Delta R.T. -0.02 min

Lab File: BG039457.D

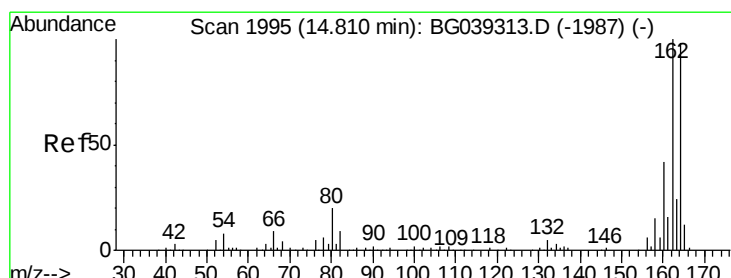
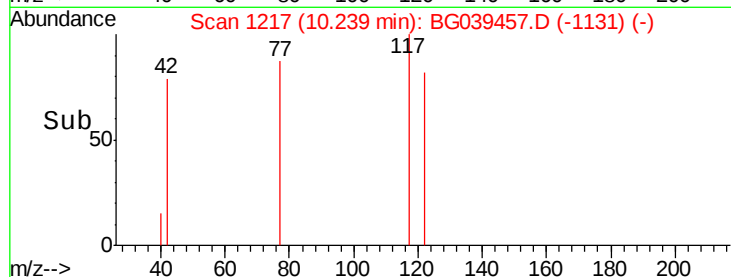
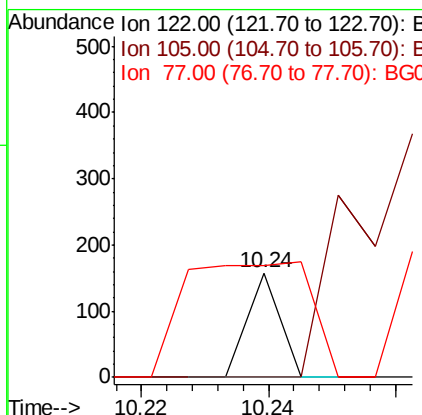
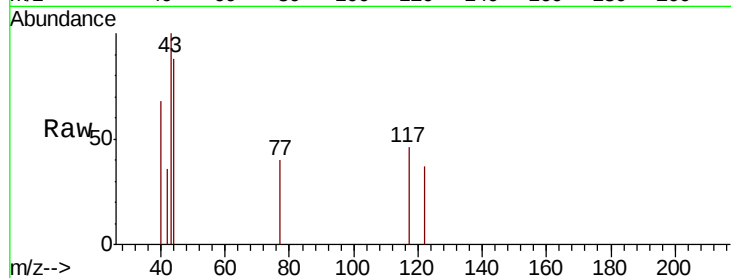
Acq: 12 Feb 2019 9:12

Instrument :

BNA_G

ClientSampled :

Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.8	141.8#
77	106.3	76.3	116.3



#39

Acenaphthene-d10

Concen: 20.000 ng

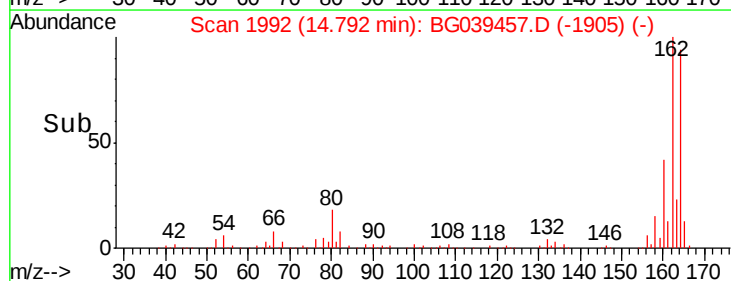
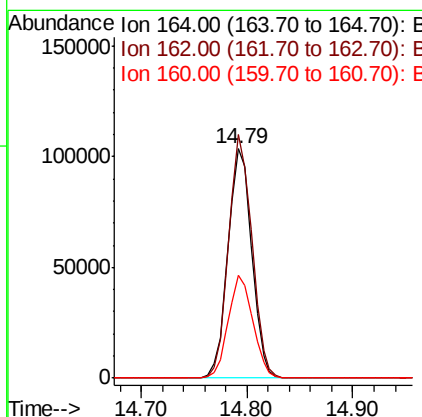
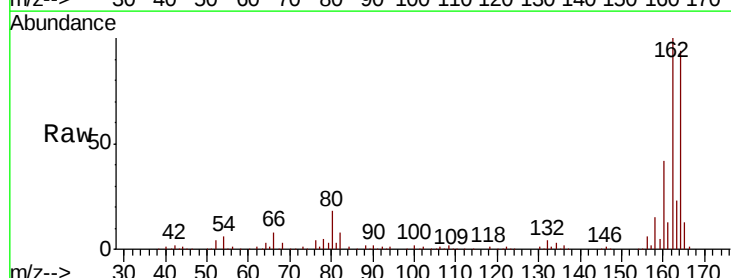
RT: 14.79 min Scan# 1992

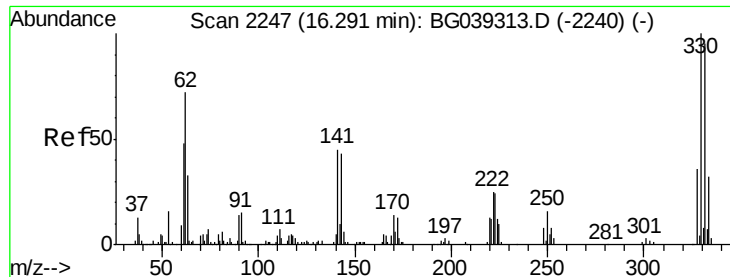
Delta R.T. -0.02 min

Lab File: BG039457.D

Acq: 12 Feb 2019 9:12

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.3	81.6	122.4
160	44.7	34.2	51.2

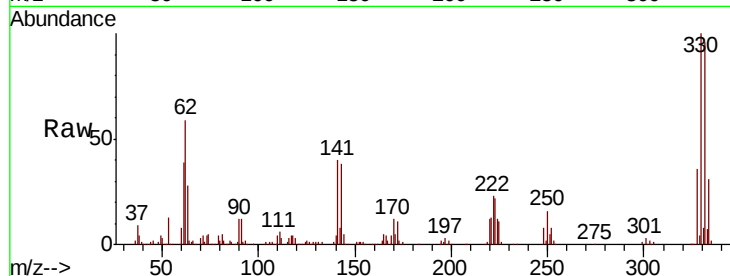




#42
 2,4,6-Tribromophenol
 Concen: 162.546 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.01 min
 Lab File: BG039457.D
 Acq: 12 Feb 2019 9:12

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.5	75.7	113.5
141	40.4	35.6	53.4

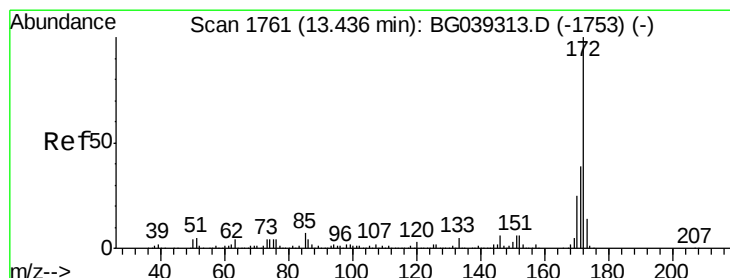
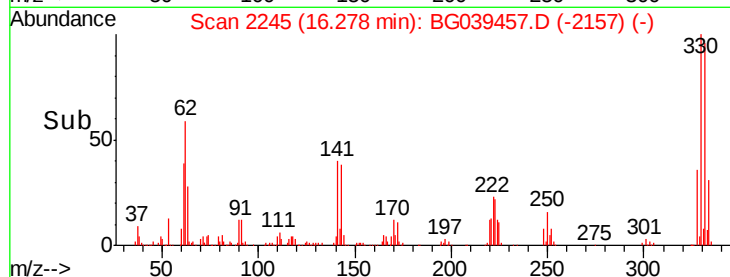
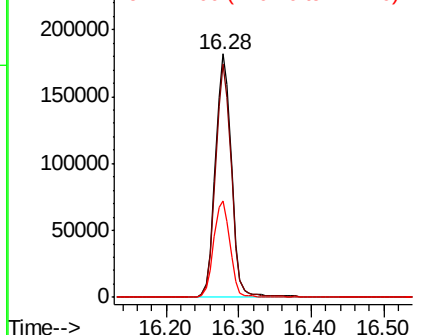


Abundance

Ion 329.80 (329.50 to 330.50): E

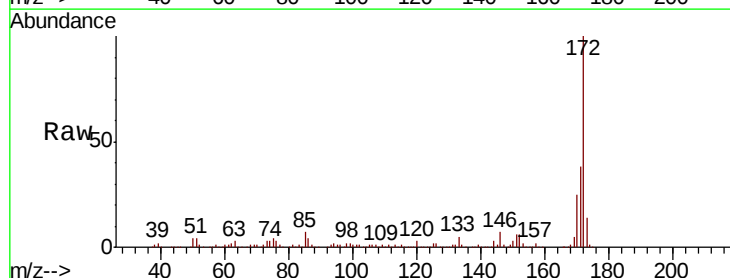
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 88.618 ng
 RT: 13.42 min Scan# 1758
 Delta R.T. -0.02 min
 Lab File: BG039457.D
 Acq: 12 Feb 2019 9:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.1	30.8	46.2
170	25.2	20.2	30.4

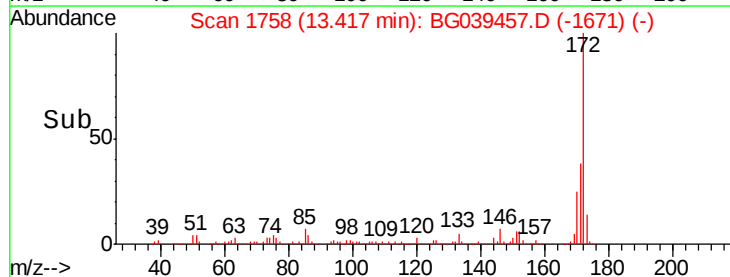
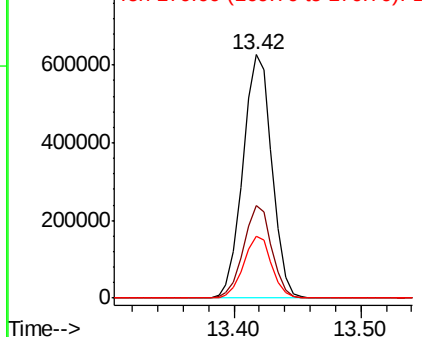


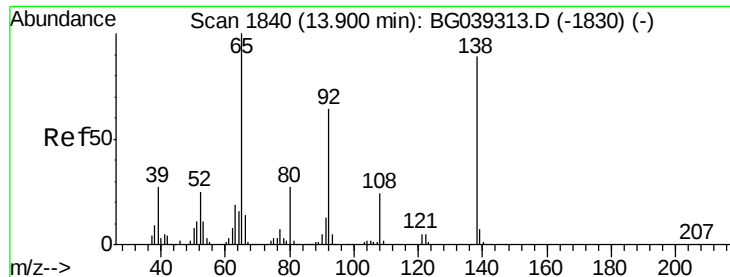
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

2-Nitroaniline

Concen: 8.821 ng

RT: 13.42 min Scan# 1758

Delta R.T. -0.48 min

Lab File: BG039457.D

Acq: 12 Feb 2019 9:12

Instrument :

BNA_G

ClientSampleId :

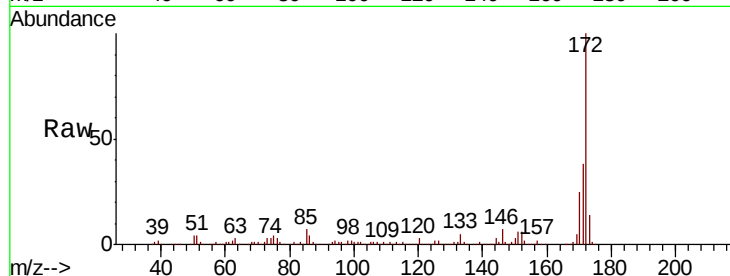
Tot Ion: 65 Resp: 1835

Ion Ratio Lower Upper

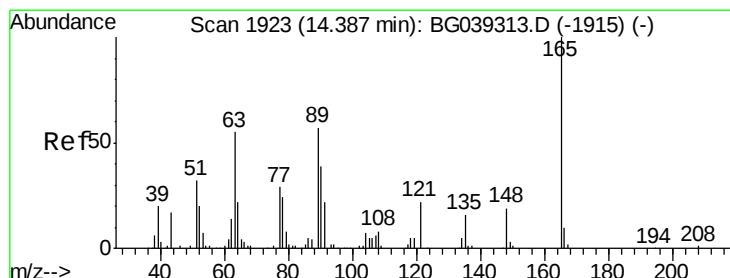
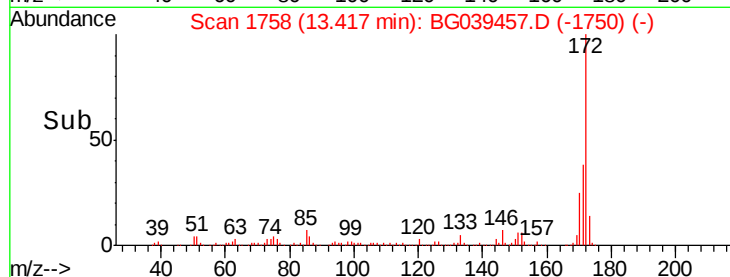
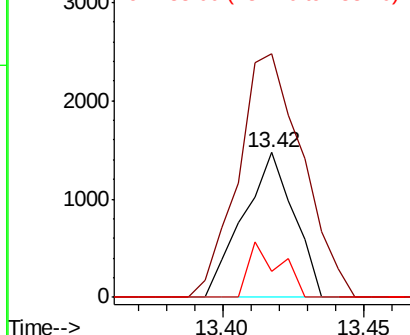
65 100

92 167.9 51.4 77.2#

138 17.7 71.4 107.2#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#51

2,6-Dinitrotoluene

Concen: 14.032 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.40 min

Lab File: BG039457.D

Acq: 12 Feb 2019 9:12

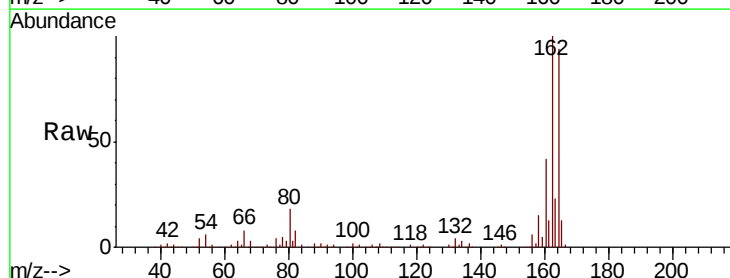
Tgt Ion: 165 Resp: 21000

Ion Ratio Lower Upper

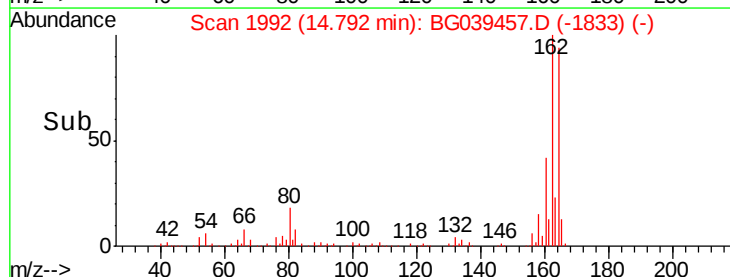
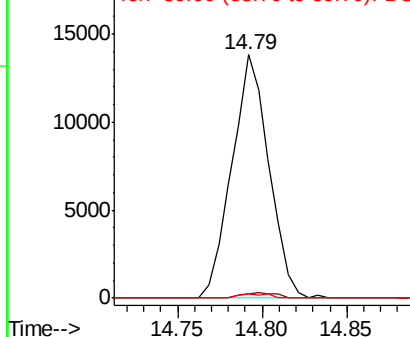
165 100

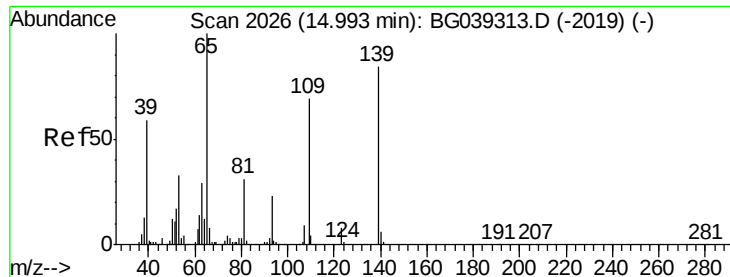
63 2.0 47.0 70.6#

89 1.9 45.8 68.8#



Abundance Ion 165.00 (164.70 to 165.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

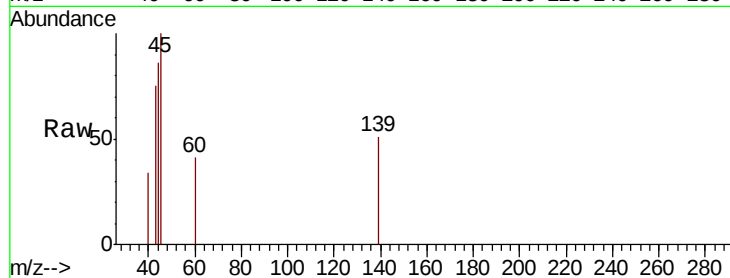




#56
4-Nitrophenol
Concen: 5.831 ng
RT: 15.43 min Scan# 2100
Delta R.T. 0.43 min
Lab File: BG039457.D
Acq: 12 Feb 2019 9:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	61.9	101.9#
65	0.0	99.1	139.1#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

15.43

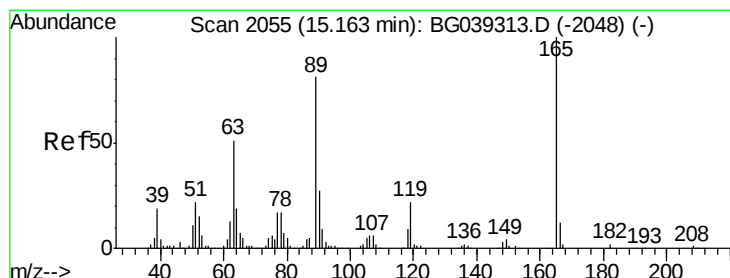
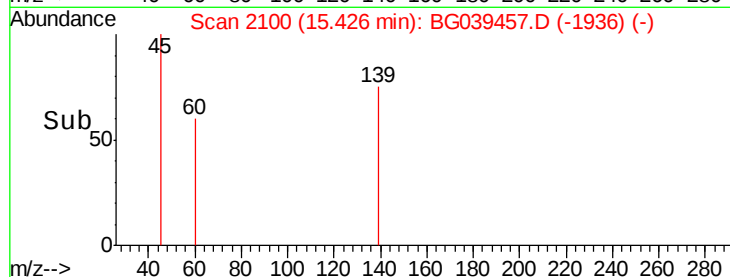
300

200

100

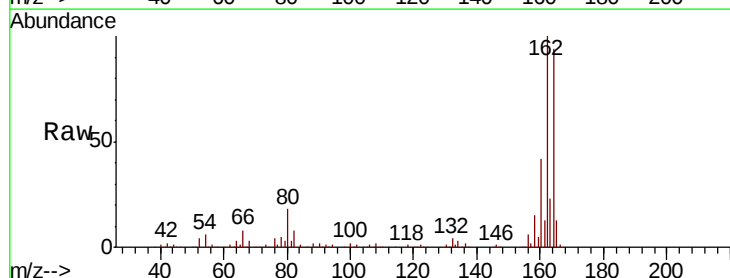
0

Time-->



#57
2,4-Dinitrotoluene
Concen: 13.481 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.37 min
Lab File: BG039457.D
Acq: 12 Feb 2019 9:12

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	41.0	61.6#
89	1.9	64.6	96.8#
182	0.0	2.0	3.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

14.79

20000

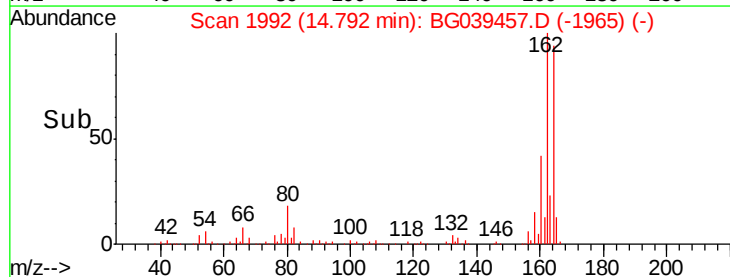
15000

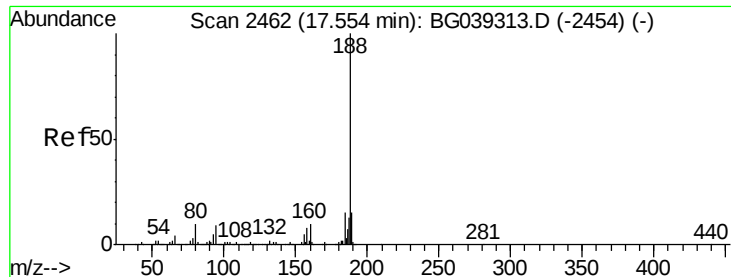
10000

5000

0

Time-->





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039457.D

Acq: 12 Feb 2019 9:12

Instrument :

BNA_G

ClientSampleId :

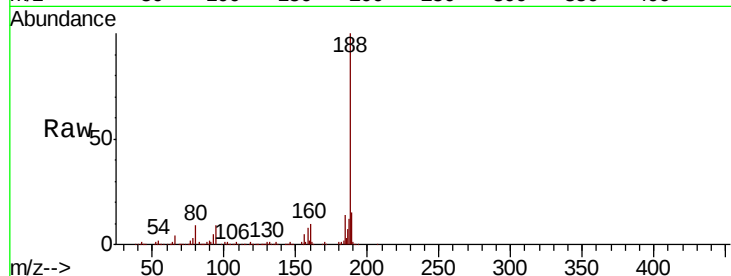
Tot Ion:188 Resp: 399843

Ion Ratio Lower Upper

188 100

94 8.9 6.9 10.3

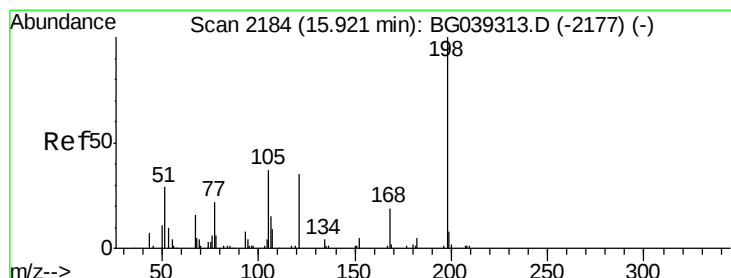
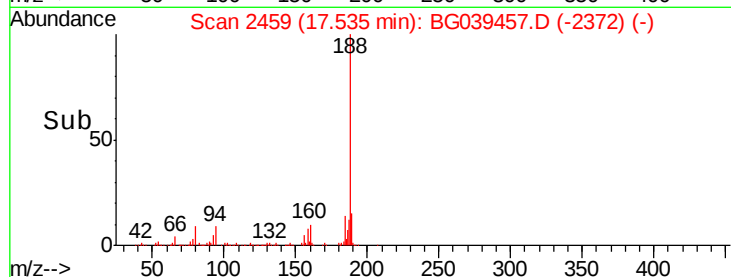
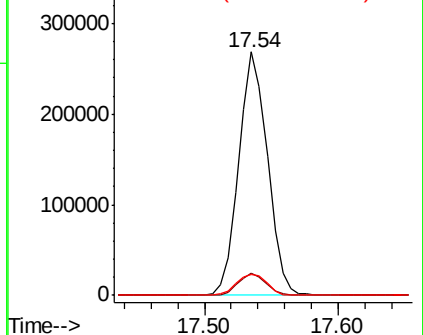
80 8.7 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 4.970 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.36 min

Lab File: BG039457.D

Acq: 12 Feb 2019 9:12

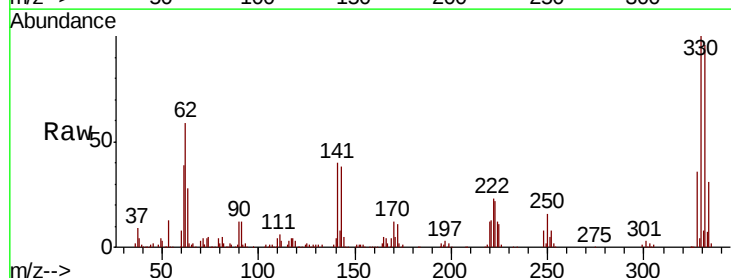
Tgt Ion:198 Resp: 991

Ion Ratio Lower Upper

198 100

51 113.5 27.4 67.4#

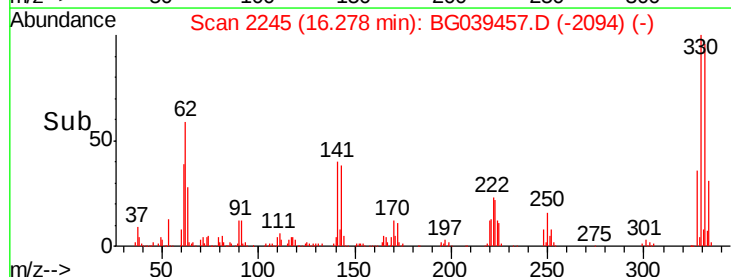
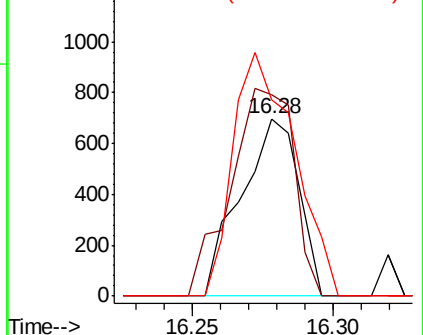
105 110.5 19.7 59.7#

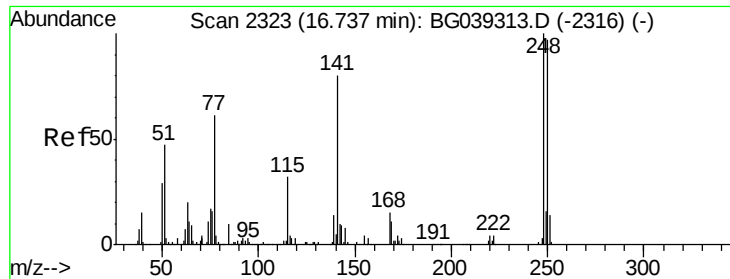


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

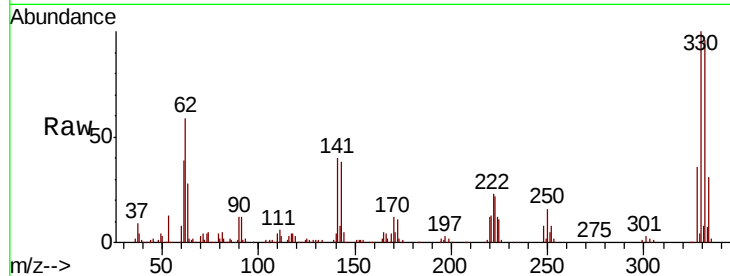




#67
4-Bromophenyl-phenylether
Concen: 5.037 ng
RT: 16.28 min Scan# 2245
Delta R.T. -0.46 min
Lab File: BG039457.D
Acq: 12 Feb 2019 9:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	203.6	77.6	116.4#
141	503.0	63.9	95.9#

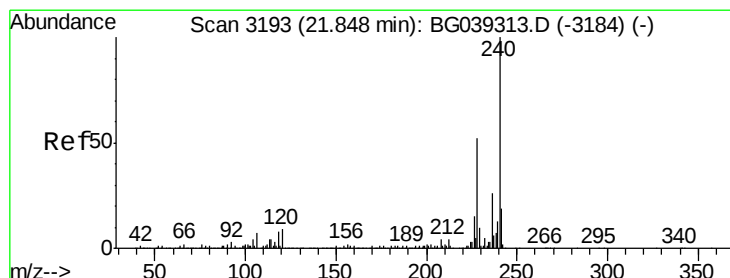
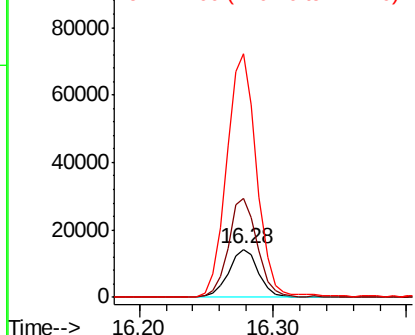
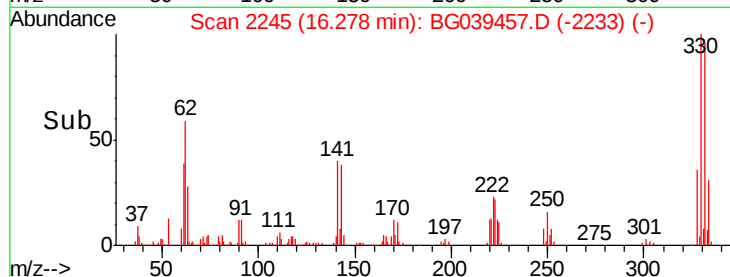


Abundance

Ion 248.00 (247.70 to 248.70): E

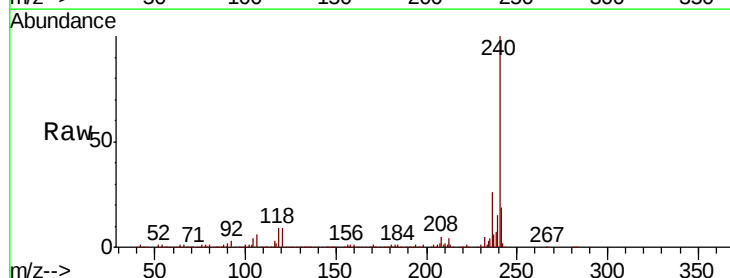
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3189
Delta R.T. -0.02 min
Lab File: BG039457.D
Acq: 12 Feb 2019 9:12

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.6	7.0	10.6
236	26.3	21.0	31.4

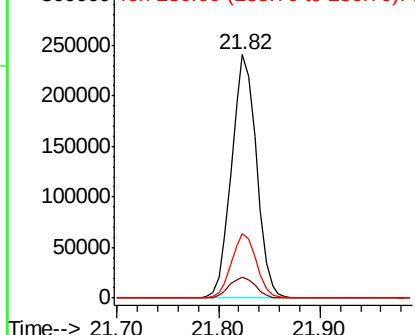
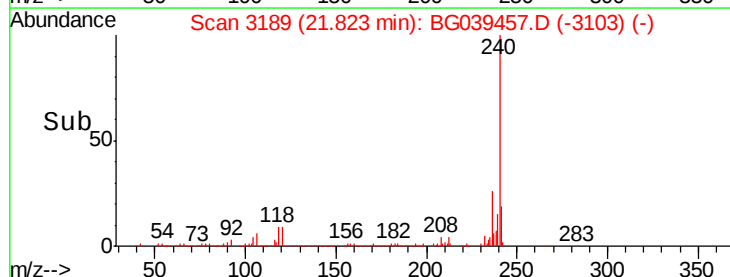


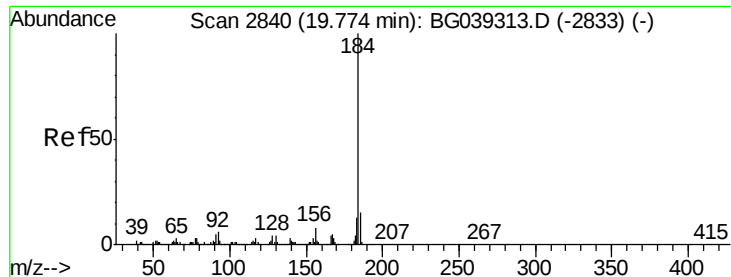
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.242 ng

RT: 20.13 min Scan# 2901

Delta R.T. 0.36 min

Lab File: BG039457.D

Acq: 12 Feb 2019 9:12

Instrument :

BNA_G

ClientSampleId :

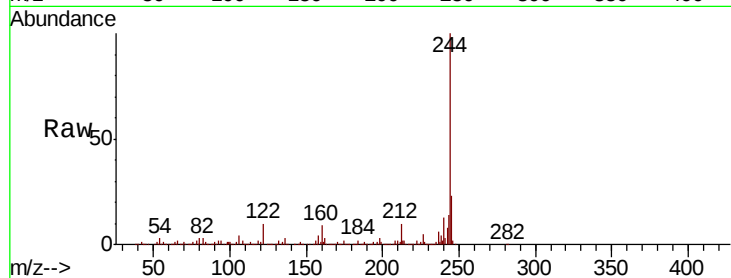
Tot Ion:184 Resp: 30223

Ion Ratio Lower Upper

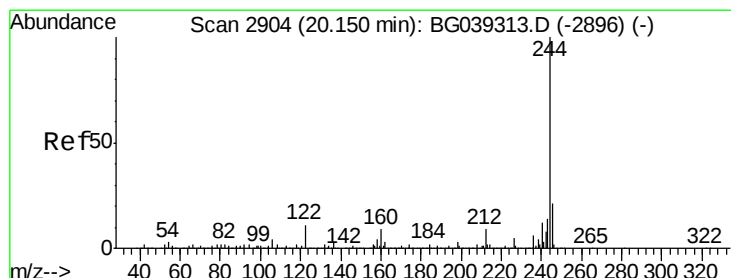
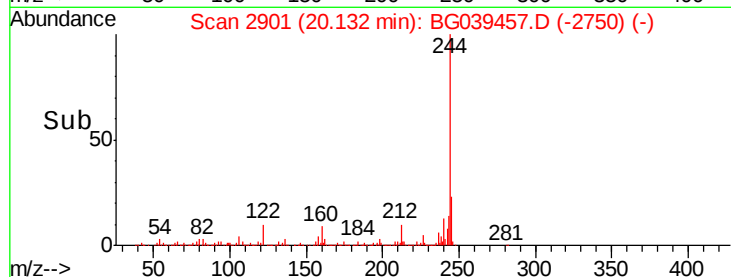
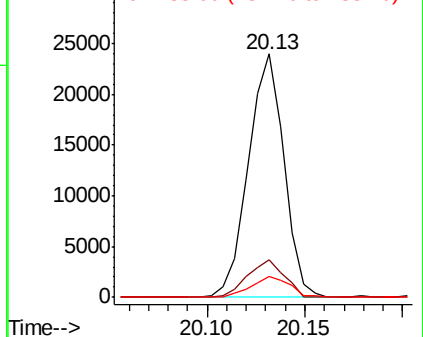
184 100

185 15.3 12.2 18.2

183 8.8 10.6 15.8#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 85.139 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039457.D

Acq: 12 Feb 2019 9:12

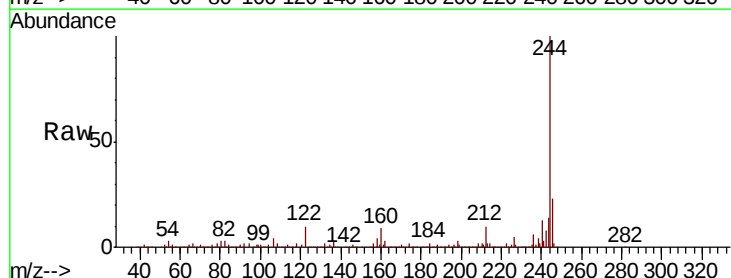
Tgt Ion:244 Resp: 1654064

Ion Ratio Lower Upper

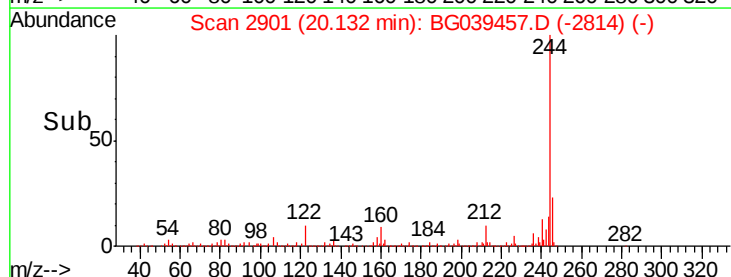
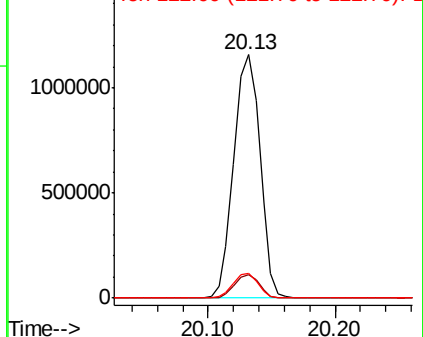
244 100

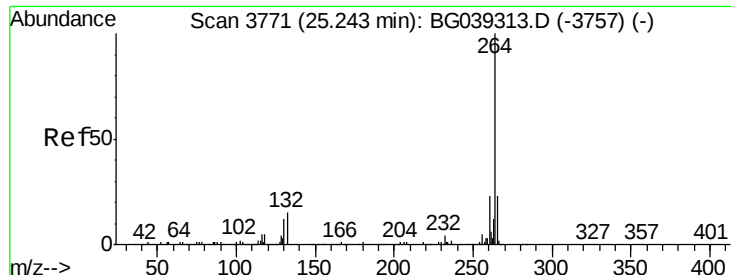
212 9.7 7.3 10.9

122 10.3 8.4 12.6



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.20 min Scan# 3764
 Delta R.T. -0.04 min
 Lab File: BG039457.D
 Acq: 12 Feb 2019 9:12

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	264	Resp:	412021
Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.2	27.4
265	22.0	18.5	27.7

